UR4

Fixed UHF Reader

Chainway UR4 is a high-performance four-channel fixed UHF reader. The core chip adopts Impinj R2000 module with high integration and excellent performance.With Stable and reliable capacity, excellent anti-electromagnetic interference capability and heat dissipation performance, it meets the requirements for installation and application of various indoor and outdoor environments and can be applied in multiple industries with strict RFID application standard such as warehouse management, archives and library management, bank, clothing and footwear retail, jewelry monitoring, watch industry, laundry, production line management, medical instrument cabinet and vending machines.

Specification

Physical Characteristics

Dimensions	102.8mm(L) x 102.8mm(W) x 28mm(H)
Weight	329g/11.6oz(without antenna)
Material	Aluminium alloy
Input Voltage	DC 9V – 12V
Standby Current	<30mA
Work Current	800mA +/-5% @ DC 12V Input
Comm Interface	RS-232 / RJ45
GPIO	1 channel input optical coupling;1 channel output optical coupling
Baud Rate	115200 bps
Cooling Mode	Air cooling

User Environment

Operating Temp.	-25 ℃ to 65 ℃
Storage Temp.	-40 ℃ to 85 ℃
Humidity	10%- 95%

UHF

Engine	CM2000-4 module based on Impinj Indy R2000
Protocol	EPC C1 GEN2 / ISO18000-6C
Frequency	865-868MHz/920-925MHz/902-928MHz
Output Power	1W (30dBm, support +5~+30dBm adjustable)
Output Power Precision	+/- 1dB
Output Power Flatness	+/- 0.2dB
Receive Sensitivity	< -88dBm
Reading Rate	>700 tags/s
RSSI	Supported
Ambient Temp Monitor	Supported
Antenna Detector	Supported
Antenna	Supporting a variety of antennas, such as 6dBic, 9dBic
Antenna Port	4 channel 50Ω SMA port